Event

MPTS IJET
FRM 4301
T-45

Mission

BASIC FORMATION LEAD
1.5 HOURS/X

ORM

FRM 4301

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

FRM 4301

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

FRM 4301

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **FRM 4201**

- **DISCUSS ITEMS:**

  FRM 4301
  - **NATOPS/SOP/EP QOD AND FLIGHT LEAD RESPONSIBILITES**

SYLLABUS NOTES

FRM 4301

A. THE INTENT OF THIS BLOCK IS FOR STUDENTS TO GAIN EXPOSURE OF FLIGHT LEAD RESPONSIBILITIES AND TO PROVIDE ADDITIONAL LANDING PRACTICE.

B. THIS EVENT WILL BE FLOWN FROM THE FRONT COCKPIT. STUDENTS MAY LEAD ANY DUAL 2-PLANE FORMATION FLIGHT.

C. STUDENTS MAY FLY FRM 4301 ANYTIME AFTER FRM 4201.

D. THE STUDENT SHALL BRIEF CONDUCT ON FRM 4301.

E. AT MINIMUM, STUDENTS MUST FLY FOUR FCLP-TYPE LANDINGS.

F. ONE PRECAUTIONARY APPROACH IS DESIRED, BUT NOT REQUIRED.

ADMIN (CARD)

FRM 4301

- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**

ADMIN

FRM 4301

- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

FRM 4301

- **TIMS RESUME REVIEW**
- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **INDIVIDUAL/INTERVAL TAKEOFF**
  - **DEPARTURE**
  - **LEAD CHANGE**
  - **FORMATION LEAD**
  - **DESCENT/FIELD ENTRY**
  - **SECTION BREAK**
  - **PRECAUTIONARY APPROACH**
  - **VFR LANDING PATTERN**
  - **LANDING/TOUCH-AND-GO**

BLOCK MIF

FRM 4301

CTS REF	MANEUVER	FRM4301
1	General Knowledge/Procedures	3+
2	Emergency Procedures	3+
3	Headwork/Situational Awareness	3+
4	Basic Airwork	3+
5	Mission Planning/Briefing/ Debriefing	4+
6	Communications	3+
7	Ground Operations	4+
8	Flight Admin	3+
30 10	Individual/Interval Takeoff	4+
11	Departure	4+
13	Descent/Field Entry	4
32	Lead Change	3+
31	Formation Lead	3+
32	Section Break	3
21	Precautionary Approach	3
22	VFR Landing Pattern	3+
23	Landing/Touch-and-Go	3+

FRM 4301

COORDINATION

(ALL AIRCREW)

COORDINATION

FRM 4301

ADMIN

- ORM, TTO
- WX, NOTAMS
- TFR, BASH
- KNEEBOARD CARD REVIEW
- START, MARSHAL, TAXI, T/O, RNDV
- RTB

TACADMIN

- ALPHA CHECK

COORDINATION

FRM 4301

MISSION

- CHECKLISTS/COMM/GROUND OPS
- INDIVIDUAL/INTERVAL TAKEOFF
- DEPARTURE
- LEAD CHANGE
- FORMATION LEAD
- DESCENT/FIELD ENTRY
- SECTION BREAK
- PRECAUTIONARY APPROACH
- VFR LANDING PATTERN
- LANDING/TOUCH-AND-GO

Emergencies

FRM 4301

- **AIRCRAFT FALLOUT**
- **CLEAR ENGINE PROCEDURE**
- **ABORTED TAKEOFF**
- **RWY DEP / LOSS OF DIRECTIONAL CONTROL**
- **SYSTEM FAILURES/ EPs / CRM**
- **BIRD STRIKE/ MIDAIR**
- **RADIO/ ICS FAILURE**
- **LOSS OF NAVAIDS / LOST PLANE**
- **INADVERTENT IMC / LOST SIGHT / LCLS**
- **DISORIENTATION / VERTIGO**
- **HYPOXIA**
- **EJECTION (HIGH / LOW / GROUND)**
- **SAR / ON SCENE COMMANDER**
- **DIVERT(S) / BINGO FUEL TO DIVERT**